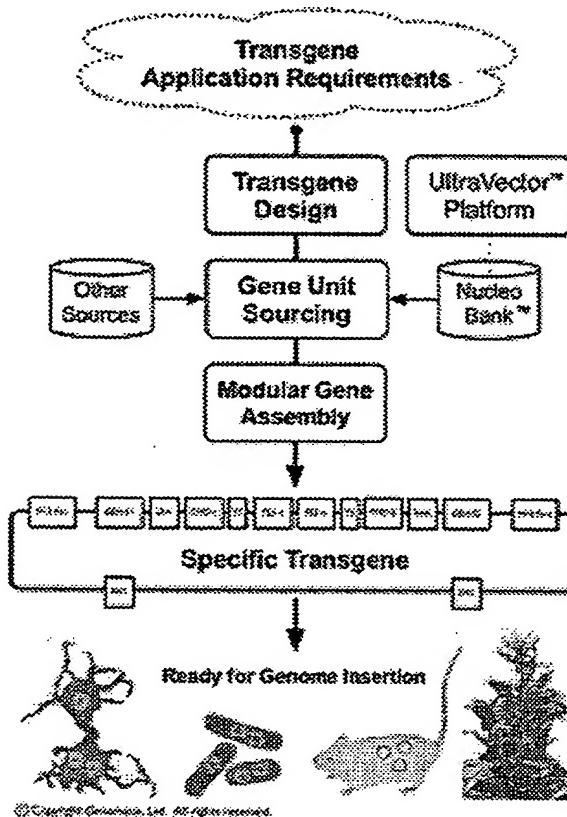


Need a knockout vector? We specialize in constitutive and inducible knockout transgenes

Genomatix is a global service provider of modular vectors for complex genomics applications. We use our patent-pending **UltraVector™ System**, coupled with our advanced **Transgene Services**, to provide our R&D customers a faster and more affordable way to acquire transgenes that will meet their application requirements.



The terms UltraVector, UltraVector System, UltraVector Frameworks, and NucleoBank are each trademarks of Genomatix, Ltd. UltraVector Services is a service mark. The UltraVector System is patent-pending.

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"The rapidly growing complexity of functional genomics demands a shift to modular vectors - in much the same way increasing complexity of computer applications forced a shift from monolithic software programming to modular, object-oriented strategies."

Thomas Reed, Ph.D.
Chief Science Officer
Genomatix, Ltd.

Transgene Applications

Knockout targeting
Codon-optimized expression
Reporter constructs
Tissue-specific gene expression
Adenoviral shuttle vectors
Probe templates
Combinations of above
Other specialized applications

Key Benefits

Improved accuracy for lower cost
Faster production of transgenes
Multiple gene units per transgene
Rapid reuse with new gene units
Higher success rates
Stock vector frameworks
NucleoBank™ storage/retrieval

Detailed information on Genomatix technologies and services is available on the following pages:

UltraVector™ System	Transgene Services	Ancillary Services
UltraVector™ Technology UltraVector™ Frameworks Licensing Approach	Design & Assembly Pricing Information	NucleoBank™ Storage/Retrieval Genotyping BAC Isolation

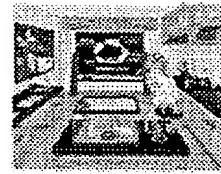
Information Request Form:

For more information please use our [Information Request Form](#), or call us within the United States at 888-236-3029. International callers please use 513-

631-4362.

Information Email Address:
info@genomatix.com (general info)
science@genomatix.com (scientific info)

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HOME > TRANSGENE SERVICES > Design & Assembly

Genomatix scientists and technicians are highly proficient at using our modular **UltraVector System** to rapidly design and assemble complex transgenes for life science researchers and bio-production companies across industry, academia and government. The extensive experience of our services team, combined with the **unique advantages** of our modular UltraVector System, allows Genomatix to offer a far more productive alternative to slower, more traditional methods of designing and building complex transgenes.

- Knockout Targeting Vectors
 - Constitutive knockouts
 - Inducible knockouts
 - Tissue-specific inducible knockouts
- Tissue-Specific Gene Expression
- Reporter Constructs
- Multi-Function Combinations
 - Knockouts with reporter constructs
 - Exon replacement knock-ins
 - Locus-specific multi-generic integration
- Adenoviral Shuttle Vectors
- Codon-Optimized Expression

Analyze **Design** **Assemble** **Verify**

Customer Needs Analysis **Transgene Design Program** **UltraVector Platform/Frameworks** **Verify Prep Deliver Store**

UltraVector Genetic Material Manager

UltraVector Design, Assembly & Verification Procedures

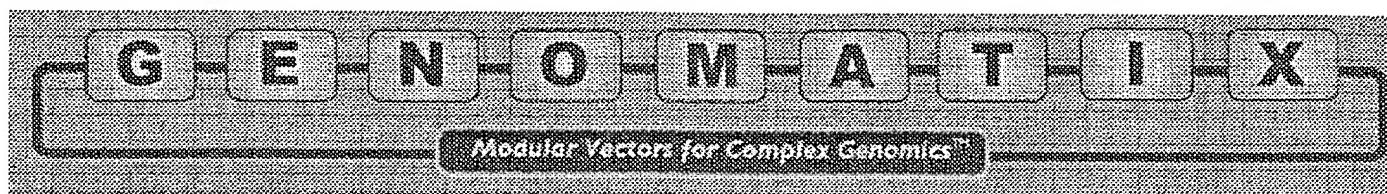
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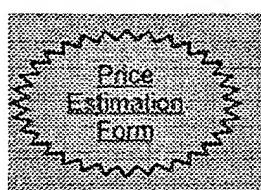
The Genomatix transgene design and assembly process consists of four distinct phases:

1 - Analyze	Genomatix scientists analyze the performance and application criteria to be encoded within the customer's desired transgene.
2 - Design	A Genomatix scientist takes the resulting analysis and designs an UltraVector transgene that will meet those criteria.
3 - Assemble	Genomatix technicians assemble the actual transgene using the selected UltraVector framework, modules and customer-specific genetic units.
4 - Verify & Prep	Genomatix technicians verify the encoded sequence integrity and prepare the transgene for delivery and storage.

Please see our **2004 Price Schedule** and **Price Estimation Form**. Please contact us at **888-236-3029** or info@g_nomatix.com if you need more information or assistance.



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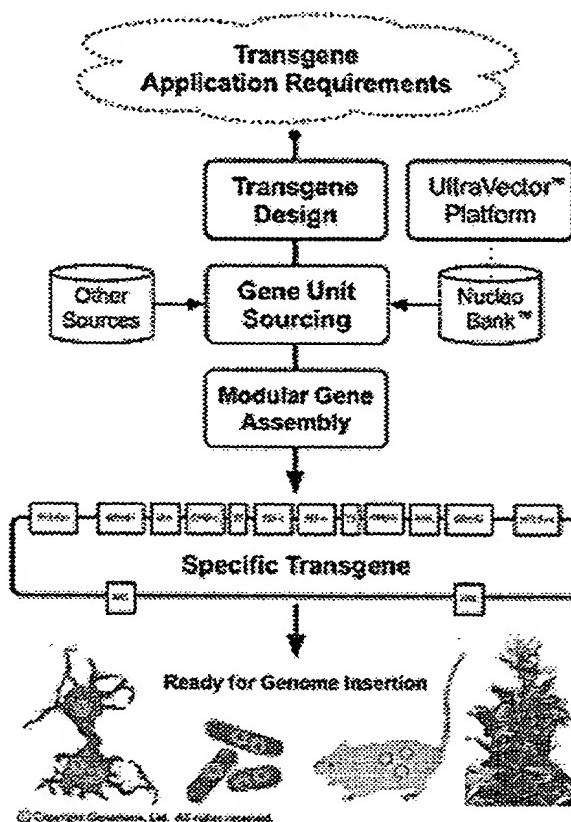
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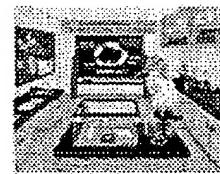
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